INDEX TO VOLUME IX

ALGEBRAIC method of proportioning ice cream mixes, An. 243
ALLEMAN, M. B., PECK, L. T., and NEVENS, W. B. The effect of fat in the ration upon the percentage fat content of the milk..... 307
An appreciation..... 489
American Dairy Science Association, Annual meeting..... 491-93
ANDERSON, E. O., and PALMER, L. S. Physico-chemical factors influencing cream rising. I. Viscosity..... 1
ANDERSON, E. O., PALMER, L. S., and HENING, J. C. Physico-chemical factors influencing cream rising. II. Relation of plasma colloids to pasteurization effects..... 171
Annual meeting American Dairy Science Association.....93, 491
Antiscorbutic vitamin, The rôle of the, in the nutrition of calves.. 37
Appreciation, An..... 489
ARCHIBALD, J. G. The composition, digestibility and feeding value of hydrolized saw dust.... 257

BABCOCK-GERBER method for determining the percentage of fat in ice cream, A..... 276
BECHDEL, S. I., ECKLES, C. H., and PALMER, L. S. The vitamin B requirement of the calf..... 409
BENTON, ANNE G., and WHITTIER, E. O. The effect of heating on the hydrogen-ion concentration and on the titratable acidity of milk..... 481
Blue mold. Some factors affecting the growth of certain strains of P. roqueforti..... 28
Book review..... 505
BREED, R. S. International Dairy Congress..... 542
BUCHANAN, J. H., and LOWMAN, O. E. Some observations on the freezing point of milk..... 192
Breeding better dairy stock, Genetics of..... 153
Butter deterioration, Peroxidase as a factor in..... 272
Butterfat, and milk, records of register of merit Jersey cows, Factors for a adjusting, to a uniform age basis..... 469
Butter, Shrinkage of print..... 346

CALF, The vitamin B requirement of..... 409
Calcium and phosphorus balances with dairy cattle, A study of... 78
Calves, The rôle of the antiscorbutic vitamin in the nutrition of.. 37
Calves, The rôle of vitamin A in the nutrition of..... 119
Cattle, dairy, A study of calcium and phosphorus balances with.. 78
Cheese, pimento, A defect of..... 351
Cream rising, Physico-chemical factors influencing..... 1
COMBS, W. B., DUTCHER, R. ADAMS, and FRANCIS, EMMA. Vitamin B in evaporated milks made by vacuum and aeration processes. 379
Condensed milk, Sweetened. IV. A refractometric method for determining total solids..... 140
Condensed milk, Sweetened, In a total solids residue what is the form of lactose?..... 62
Condensed milk, Sweetened. V. Rancidity..... 293
Condensed milk, Sweetened. VI. Tallowiness..... 459

CONVERSE, H. T. The effect on milk production of feeding more than the Haecker, Eckles, and Savage requirements..... 388
Cottonseed meal, Eliminating the toxicity of..... 359
Cows, dairy, Energy requirements of..... 373
Cows, dairy, Increased producing ability in, due to test conditions..... 215
Cows, dry, The maintenance requirement of cattle as indicated by the fasting katabolism of.... 15
Cows, register of merit Jersey, Factors for adjusting milk and butterfat records of, to a uniform age basis..... 469
Cream and ice cream, Factors influencing the viscosity of..... 68
Cream rising, Physico-chemical factors influencing. II. Relation of plasma colloids to pasteurization effects..... 171

DAIRY cows, Increased producing ability in, due to test conditions..... 215
Dairy literature, foreign, Abstracts of.....251, 538
Dairy notes.....407, 542
Dairy stock, Genetics of breeding better..... 153
DEYSHER, E. F., HOLM, GEO. E., and GREENBANK, G. R. Results of preliminary experiments upon the effect of separating or clarifying and pasteurizing of a milk upon the keeping quality of its milk powder..... 507
DUTCHER, R. ADAMS, FRANCIS, EMMA, and COMBS, W. B. Vitamin B in evaporated milks made by vacuum and aeration processes..... 379

ECKLES, C. H., PALMER, L. S., and THURSTON, L. M. The rôle of the antiscorbutic vitamin in the nutrition of calves..... 37
ECKLES, C. H., PALMER, L. S., and JONES, I. R. The rôle of vitamin A in the nutrition of calves..... 119
ECKLES, C. H., PALMER, L. S., and BECHDEL, S. I. The vitamin B requirement of the calf..... 409
Erratum..... 544
Evaporated milks made by vacuum and aeration processes, Vitamin B in..... 379

FAT in cow's milk, The effect of environmental temperature on the percentage of..... 219
Fat in the ration, The effect of, upon the percentage fat content of the milk..... 307
Feeding more than the Haecker, Eckles and Savage requirements, The effect on milk production of..... 388
Feeding value of hydrolized sawdust. The composition, digestibility and..... 257
FOHRMAN, M. H. Increased producing ability in dairy cows due to test conditions..... 215
FOHRMAN, M. H. Official records as material for studying inheritance of milk and butterfat production..... 286
FOHRMAN, M. H. Factors for adjusting milk and butterfat records of register of merit Jersey cows to a uniform basis.. 469
FORBES, E. B., FRIES, J. AUGUST, and KRISS, MAX. The maintenance requirement of cattle for protein, as indicated by the fasting katabolism of dry cows.. 15
FORBES, E. B. Energy requirements of dairy cows..... 373
Foreign dairy literature, Abstracts of.....251, 538

FRANCIS, EMMA, COMBS, W. B., and DUTCHER, R. ADAMS. Vitamin B in evaporated milks made by vacuum and aeration processes..... 379
FREDERIKSEN, JOHAN D..... 306
Freezing point of milk, Some observations on..... 192
FRIES, J. AUGUST, KRISS, MAX, and FORBES, E. B. The maintenance requirement of cattle for protein as indicated by the fasting katabolism of dry cows. 15

GALLUP, WILLIS D. Eliminating the toxicity of cottonseed meal..... 359
Genetics of breeding better dairy stock..... 153
GOLDING, N. S. Some factors affecting the growth of certain strains of P. roqueforti. I. Blue mold..... 28
GOLDING, N. S. Some factors effecting the growth of certain strains of P. roqueforti. II. Blue mold..... 236
GOWEN, JOHN W. Genetics of breeding better dairy stock..... 153
GREENBANK, G. R., DEYSHER, E. F., and HOLM, GEO. E. Results of preliminary experiments upon the effect of separating, or clarifying and pasteurizing of a milk upon the keeping quality of its milk powder..... 507
Guernsey sires, A comparison of.. 439
GUTHRIE, E. S. Shrinkage of print butter..... 346

HAMMER, B. W. Studies on yeasts in dairy products. I. Relationships of yeasts to dairy products..... 512
HAYS, W. P. The effect of environmental temperature on the percentage of fat in cow's milk..... 219
HENING, J. C., ANDERSON, E. O., and PALMER, L. S. Physicochemical factors influencing cream rising. II. Relation of plasma colloids to pasteurization effects..... 171
HILEMAN, J. L. Review of foreign dairy literature..... 251
HOLM, GEO. E., GREENBANK, G. R., and DEYSHER, E. F. Results of preliminary experiments upon the effect of separating, or clarifying and pasteurizing of a milk upon the keeping quality of its milk powder..... 507
Humidity equilibria of milk powders..... 50
HUNZIKER, O. F., and NISSEN, B. H. Lactose solubility and lactose crystal formation..... 517

ICE cream, A Babcock-Gerber method for determining the percentage of fat in..... 276
Ice cream and cream, Factors influencing the viscosity of..... 68
Ice cream mixes, An algebraic method of proportioning..... 243
International Dairy Congress..... 542

JONES, I. R., ECKLES, C. H., and PALMER, L. S. The rôle of Vitamin A in the nutrition of calves..... 119

KRISS, MAX, FORBES, E. B., and FRIES, J. AUGUST. The maintenance requirement of cattle for protein as indicated by the fasting katabolism of dry cows.. 15

LACTOSE solubility and lactose crystal formation..... 517
Lactose, what is the form of, In a total solids residue..... 62
LOWMAN, O. E., and BUCHANAN, J. H. Some observations on the freezing point of milk..... 192

MAINTENANCE requirement of cattle for protein as indicated by the fasting katabolism of dry cows, The..... 15
McCANDLISH, ANDREW C. The influence of the period of heat on milk production..... 65
Membership for 1926, American Dairy Science Association..... 494
Milk and butterfat production, Official records as material for studying inheritance of..... 286
Milk and butterfat records of register of merit Jersey cows, Factors for adjusting, to a uniform age basis..... 469
Milk powders, Humidity equilibria of..... 50
Milk powder, the effect of separating, or clarifying and pasteurizing of a milk upon the keeping quality of its, Results of preliminary experiments upon..... 507
Milk or fat secretion, A quantitative form of expressing persistency of..... 203
Milk production, The effect on, of feeding more than the Haecker, Eckles, and Savage requirements..... 388
Milk production, The influence of the period of heat on..... 65
Milk, Results of preliminary experiments upon the effect of separating, or clarifying and pasteurizing of a, upon the keeping quality of its milk powder..... 507
Milk, Some observations on the freezing point of..... 192
Milk, Sweetened condensed. A refractometric method for determining total solids..... 140
Milk, The effect of environmental temperature on the percentage of fat in cow's..... 219
Milk, The effect of fat in the ration upon the percentage fat content of the..... 307
Milk, The effect of heating on the hydrogen-ion concentration and on the titratable acidity of..... 481
MILLER, M. M., and PALMER, L. S. Peroxidase as a factor in butter deterioration..... 272
MILLER, R. C. A study of calcium and phosphorus balances with dairy cattle..... 78
MISCALL, JACK, and RICE, FRANK E. Sweetened condensed milk. In a total solids residue what is the form of lactose?..... 62
MISCALL, JACK, and RICE, FRANK E. Sweetened condensed milk. IV. A refractometric method for determining total solids..... 140
MOORE, H. C., and MORSE, P. A. A Babcock-Gerber method for determining the percentage of fat in ice cream..... 276
MORSE, P. A., and MOORE, H. C. A Babcock-Gerber method for determining the percentage of fat in ice cream..... 276

NECROLOGY. William Alonzo Stocking, Jr..... 253
Necrology. Johan D. Frederiksen..... 306
NEVENS, W. B., ALLEMAN, M. B., and PECK, L. T. The effect of fat in the ration upon the percentage fat content of the milk. 307
NISSEN, B. H., and HUNZIKER, O. F. Lactose solubility and lactose crystal formation..... 517
Notes, Dairy..... 407, 542
Nutrition of calves, The rôle of vitamin A in the..... 119

OFFICIAL records as material for studying inheritance of milk and butterfat production..... 286

PALMER, L. S., and ANDERSON, E. O. Physico-chemical factors influencing cream rising. I. Viscosity..... 1

PALMER, L. S., THURSTON, L. M., ECKLES, C. H. The rôle of the antiscorbutic vitamin in the nutrition of calves..... 37
PALMER, L. S., JONES, I. R., and ECKLES, C. H. The rôle of vitamin A in the nutrition of calves..... 119
PALMER, L. S., HENING, J. C., and ANDERSON, E. O. Physico-chemical factors influencing cream rising. II. Relation of plasma colloids to pasteurization effects..... 171
PALMER, L. S., and MILLER, M. M. Peroxidase as a factor in butter deterioration..... 272
PALMER, L. S., BECHDEL, S. I., and ECKLES, C. H. The vitamin B requirement of the calf..... 409
PECK, L. T., NEVENS, W. B., and ALLEMAN, M. B. The effect of fat in the ration upon the percentage fat content of the milk.. 307
Peroxidase as a factor in butter deterioration..... 272
Persistency of milk or fat secretion, A quantitative form of expressing..... 203
Personnel of committees, American Dairy Science Association, 1926 503
Phosphorus and calcium balances with dairy cattle, A study of... 78
Physico-chemical factors influencing cream rising. I. Viscosity..... 1
Pimento cheese, A defect of..... 351
Plasma colloids, Relation of, to pasteurization effects..... 171
PRICE, W. V. An algebraic method of proportioning ice cream mixes..... 243
Producing ability in dairy cows due to test conditions, Increased..... 215
Program of annual meeting, American Dairy Science Association. 491
P. roqueforti, Some factors affecting the growth of certain strains of..... 28
Protein, The maintenance requirement of cattle for, as indicated by the fasting katabolism of dry cows..... 15

QUANTITATIVE form of expressing persistency of milk or fat secretion, A..... 203

RANCIDITY, Sweetened condensed milk..... 293
Records of register of merit Jersey cows, milk and butterfat, Factors for adjusting, to a uniform age basis..... 469
Refractometric method for determining total solids, A. Sweetened condensed milk..... 140
RICE, FRANK E., and MISCALL JACK. Sweetened condensed milk. In a total solids residue what is the form of lactose?.... 62
RICE, FRANK E., and MISCALL, JACK. Sweetened Condensed milk. IV. A refractometric method for determining total solids..... 140
RICE, FRANK E. Sweetened Condensed milk. V. Rancidity.... 293
RICE, FRANK E. Sweetened condensed milk. VI. Tallowiness.. 459

SAWDUST, hydrolized, The composition, digestibility and feeding value of..... 257
SHERWOOD, F. F., and SMALLFIELD, H. L. Factors influencing the viscosity of cream and ice cream..... 68
Shrinkage of print butter..... 346
SMALLFIELD, H. L., and SHERWOOD, F. F. Factors influencing the viscosity of cream and ice cream..... 68
STOCKING, WILLIAM ALONZO, JR... 253

SUPPLEE, G. C. Humidity equilibria of milk powders..... 50
Sweetened condensed milk. In a total solids residue what is the form of lactose?..... 62
Sweetened condensed milk. V. Rancidity..... 293
Sweetened condensed milk. VI. Tallowiness..... 459

TEMPERATURE, The effect of environmental, on the percentage of fat in cow's milk..... 219
Test conditions, Increased producing ability in dairy cows due to..... 215
THURSTON, L. M., ECKLES, C. H., and PALMER, L. S. The rôle of the antiscorbutic vitamin in the nutrition of calves..... 37
Toxicity of cottonseed meal, Eliminating the..... 359
TURNER, C. W. A quantative form of expressing persistency of milk or fat secretion..... 203
TURNER, C. W. A comparison of Guernsey sires. II. Based on the average mature equivalent fat production of daughters during the month of maximum fat production..... 439

VISCOSITY of cream and ice cream, Factors influencing the. 68
Vitamin A in the nutrition of calves, The rôle of..... 119
Vitamin B in evaporated milks made by vacuum and aeration processes..... 379
Vitamin B requirement of the calf, The..... 409

WARREN, DONALD H. A defect of pimento cheese..... 351
WHITTIER, E. O., and BENTON, ANNE G. The effect of heating on the hydrogen-ion concentration and on the titratable acidity of milk..... 481

YEASTS in dairy products, studies on..... 512